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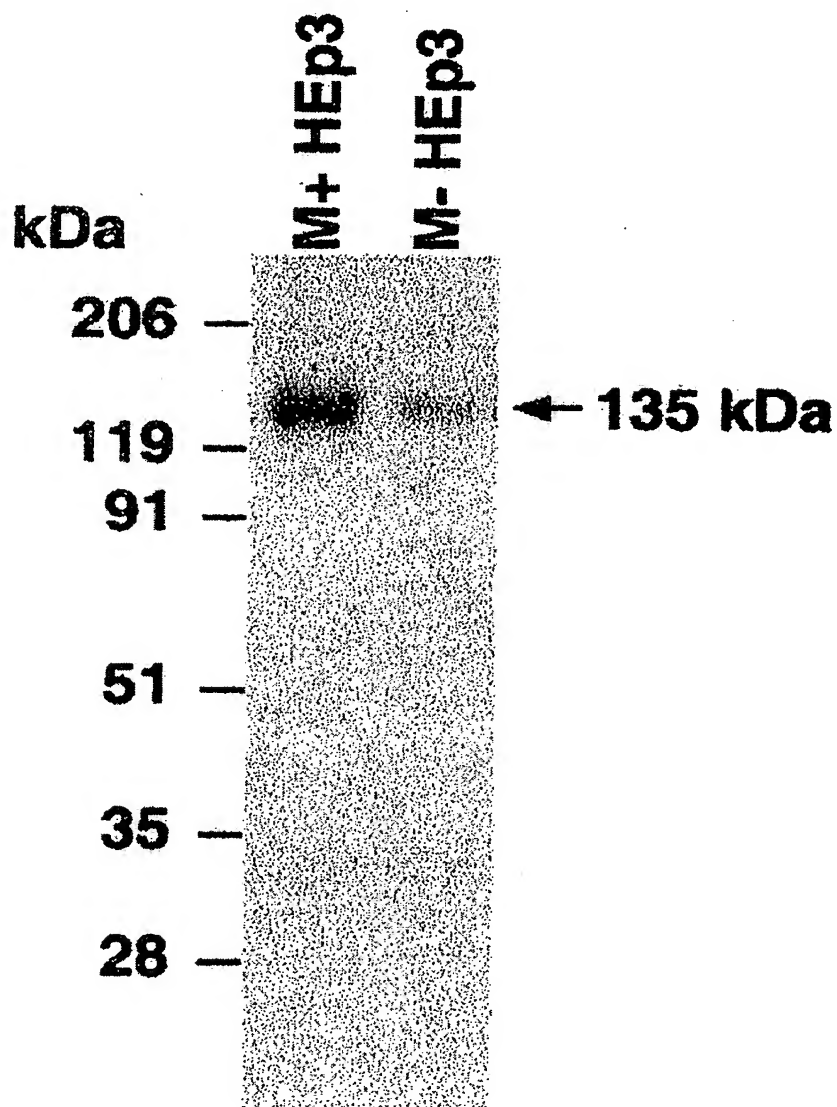


FIG. 1A

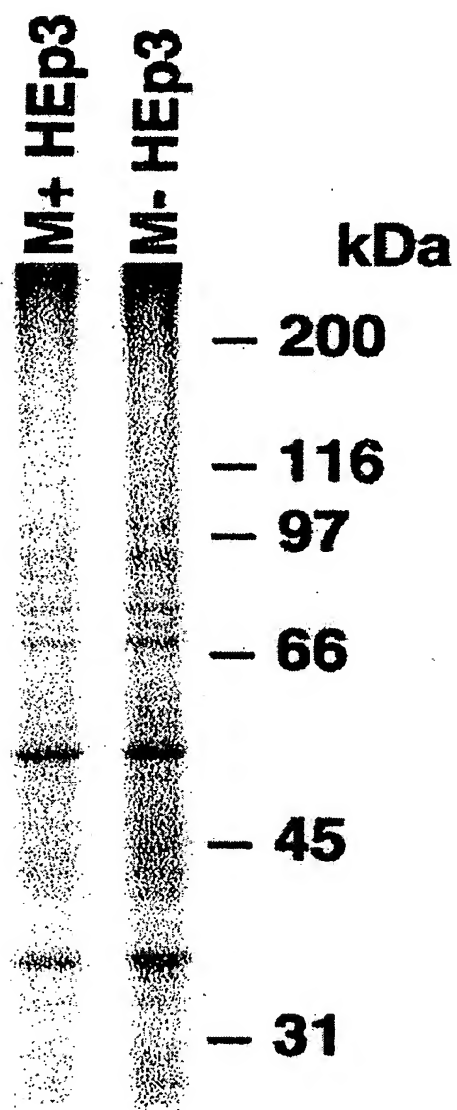


FIG. 1B

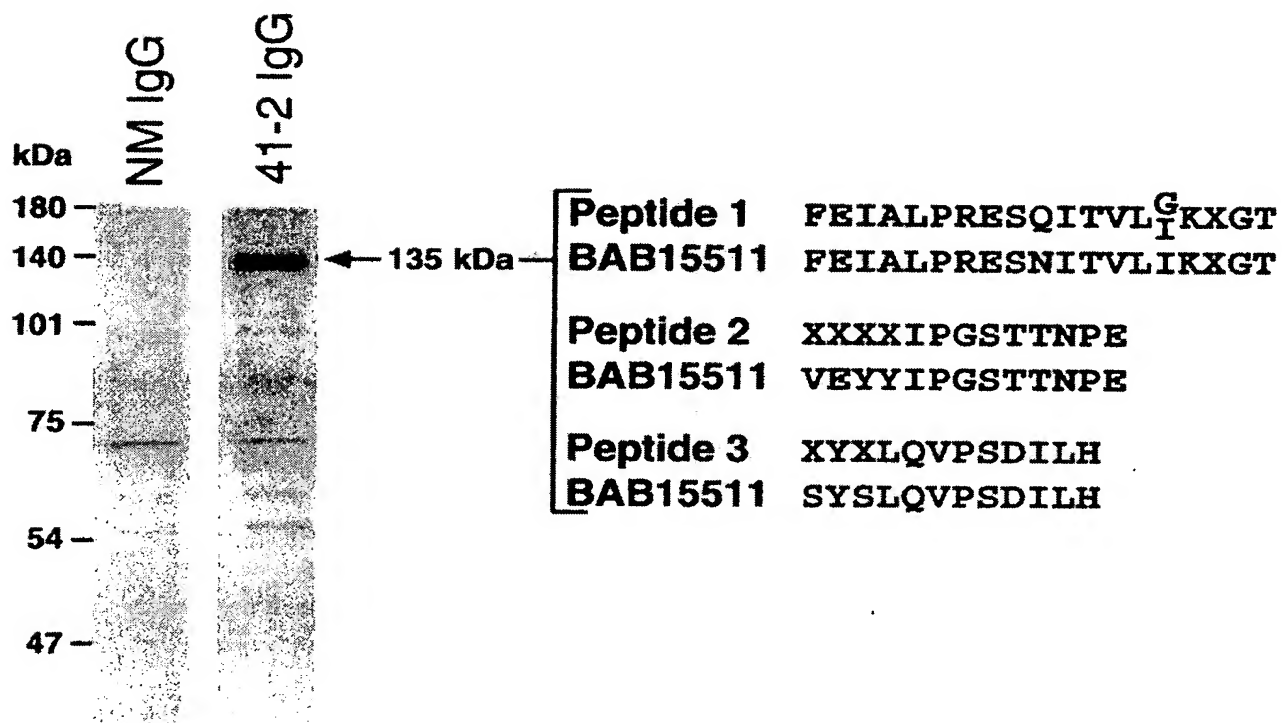


FIG. 2A

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maglncgvsiallgvlllgaaarlprgaafeialpRESNITVLIKLGTP T 50  
LAKPCYIVISKRRHITMLSIKSGERIVFTFSCQSPENHFVIEIQKNIDCM 100  
SGPCPFGEVQLQPSSTSLPTLNRTFIWADVKAHKSIGLELQFSIPRLRQIG 150  
PGESC PDGVTHSISGRIDATVVRI GTFC SN GTVSRIKMQEGVKMALHLPW 200  
FHPRNVSGFSIANRSSIKRLCIESVFEGEGSATLMSANYPEGEFEDELM 250  
TWQFVVPALHLRASVSFLNENLSNCE RKEE:R:V EYI P G S T T N P E V E K L E D K 300  
QPGNMAGNFNLSLQGCCDQDAQSPGILLRLQFQVLVQHHPQNESNKIYVVDLS 350  
NERAMSLTIEPRPVKQSRKFVPGCFVCL ESRTCSSNLTLTSGSKHKISFL 400  
CDDLTRLWMNV EKTISCTDHR YCQR:K:SYSLQVPSDILHLPVELHDFS WKL 450  
LVPKDRLSLVLPVPAQK LQQHTHEKPCNTSFSYLVASAIP SQDLYFGSFCP 500  
GGSIKQIQVKQNI SVTLRTFAPSFRQEA SRQGLTVSFIPIYFKEEGVFTVT 550  
PDTKSKVYLRTPNWD RGLPSLTSVSWNISVPRDQVACLTF FKERSGVVCQ 600  
TGRAFMIIQEQRTRAEEIFFSLDEEDVLPKPSFHHSHFVNI SNCSPTSGKQ 650  
LDLLFSVTLTPRTVDLTVILIAAVGGGVLLLSA LGLIICCVKKKKKTNK 700  
GPAVG IYNGNINTEM PRQPKKFQKGRKDNDSHVYAVIEDTMVYGHLLQDS 750  
SGSFLQPEVDTYRPFQGTMGVCPFPSPPTICSRAPTAKLATEEPPPRSPPE 800  
SESEPYTF SHPNNGDVSSKDTDIPLLSTQEPMEPAE 836

(SEQ ID NO:1)

FIG. 2B

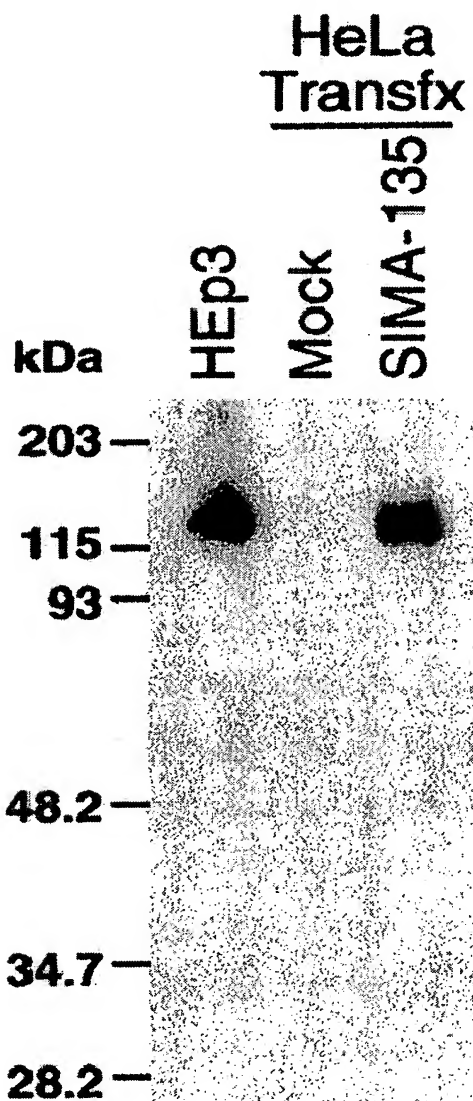


FIG. 2C

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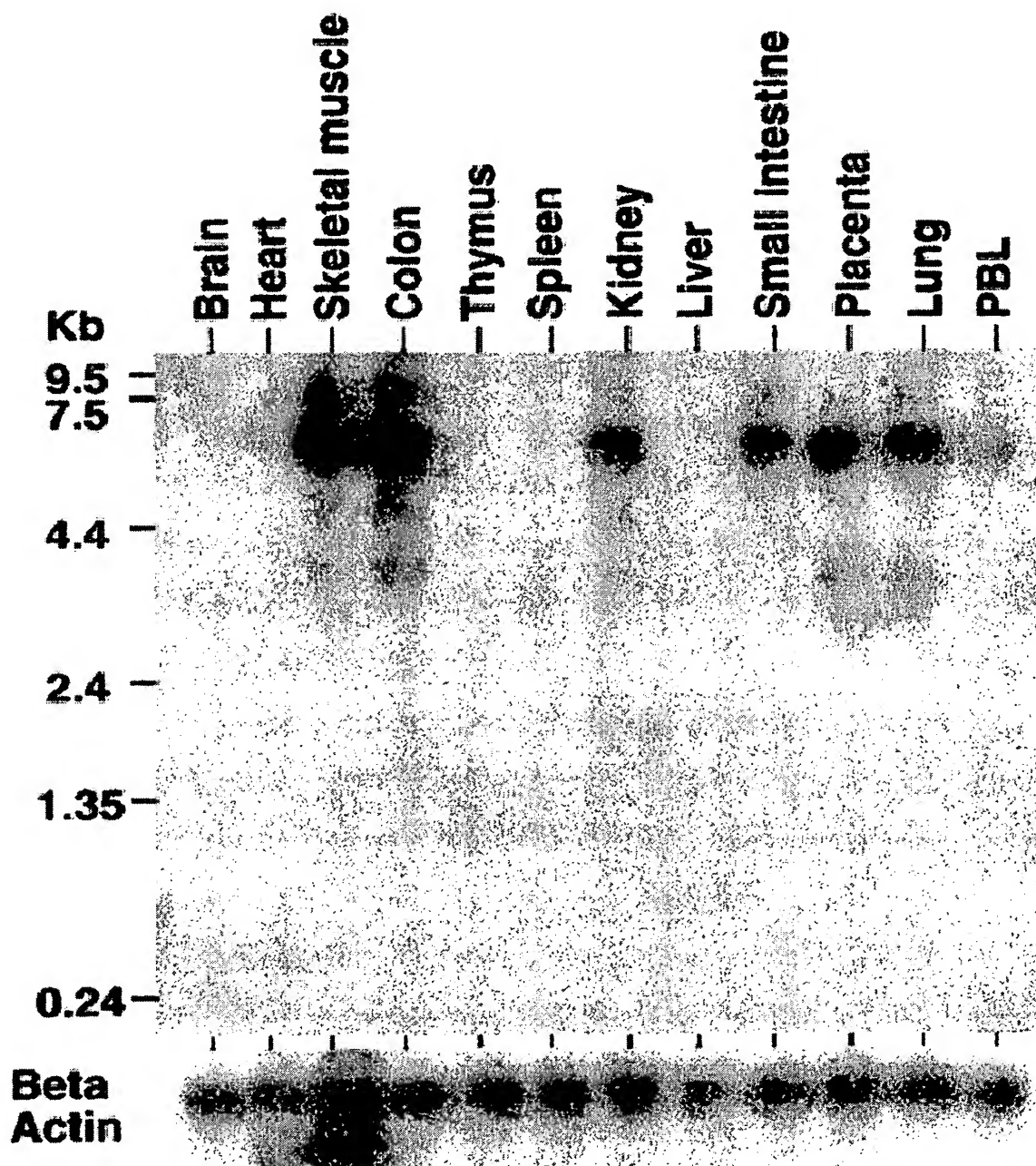


FIG. 3A

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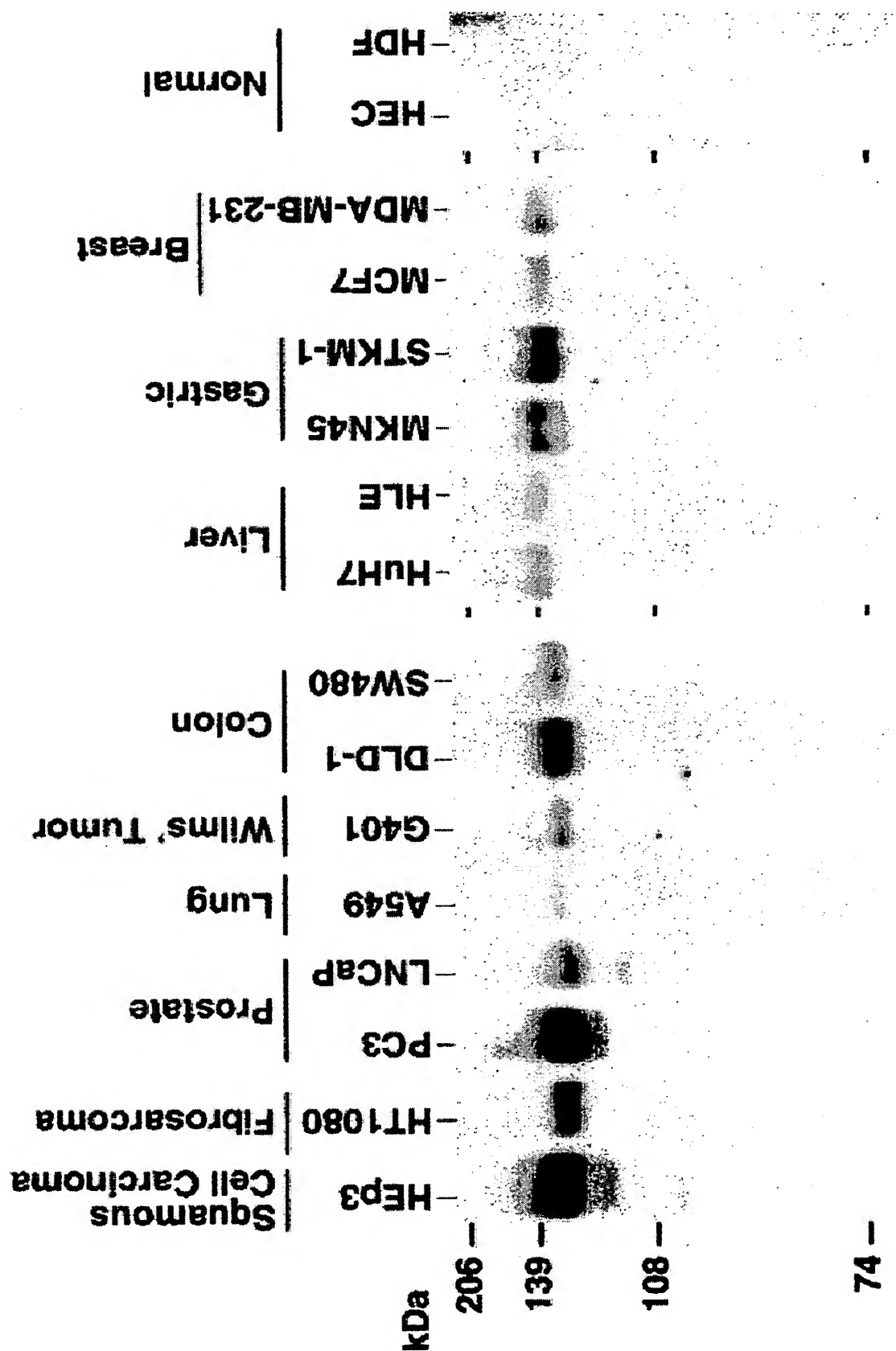


FIG. 3B



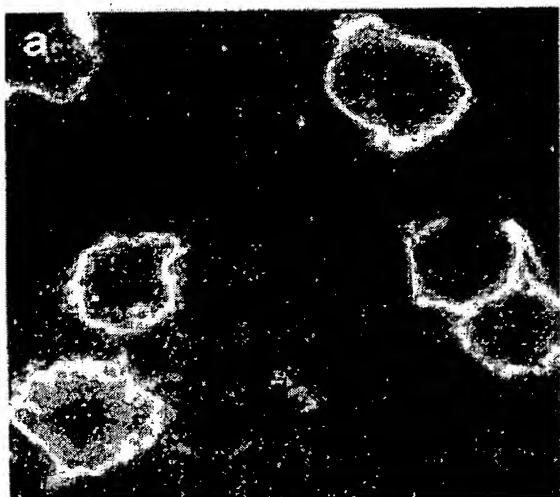


FIG. 4A

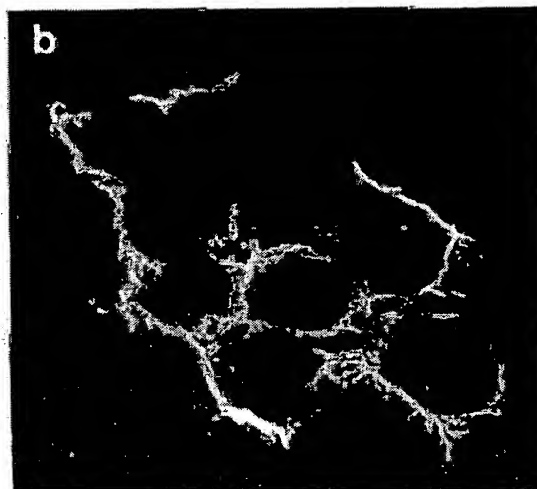


FIG. 4B

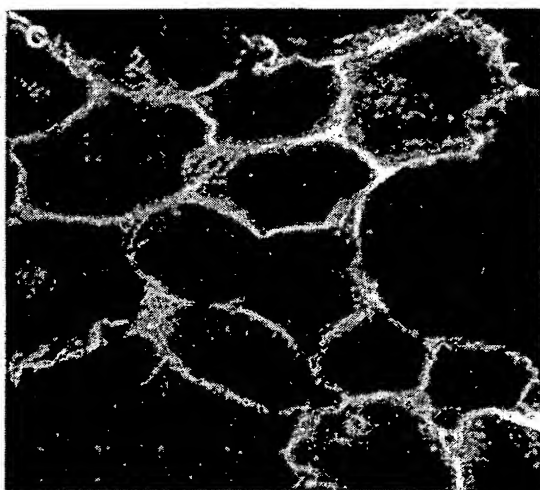


FIG. 4C

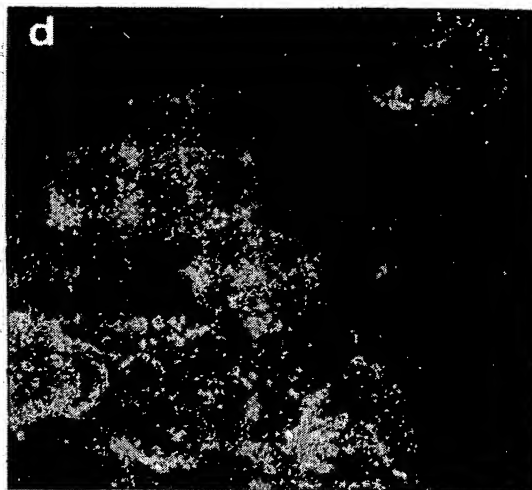


FIG. 4D

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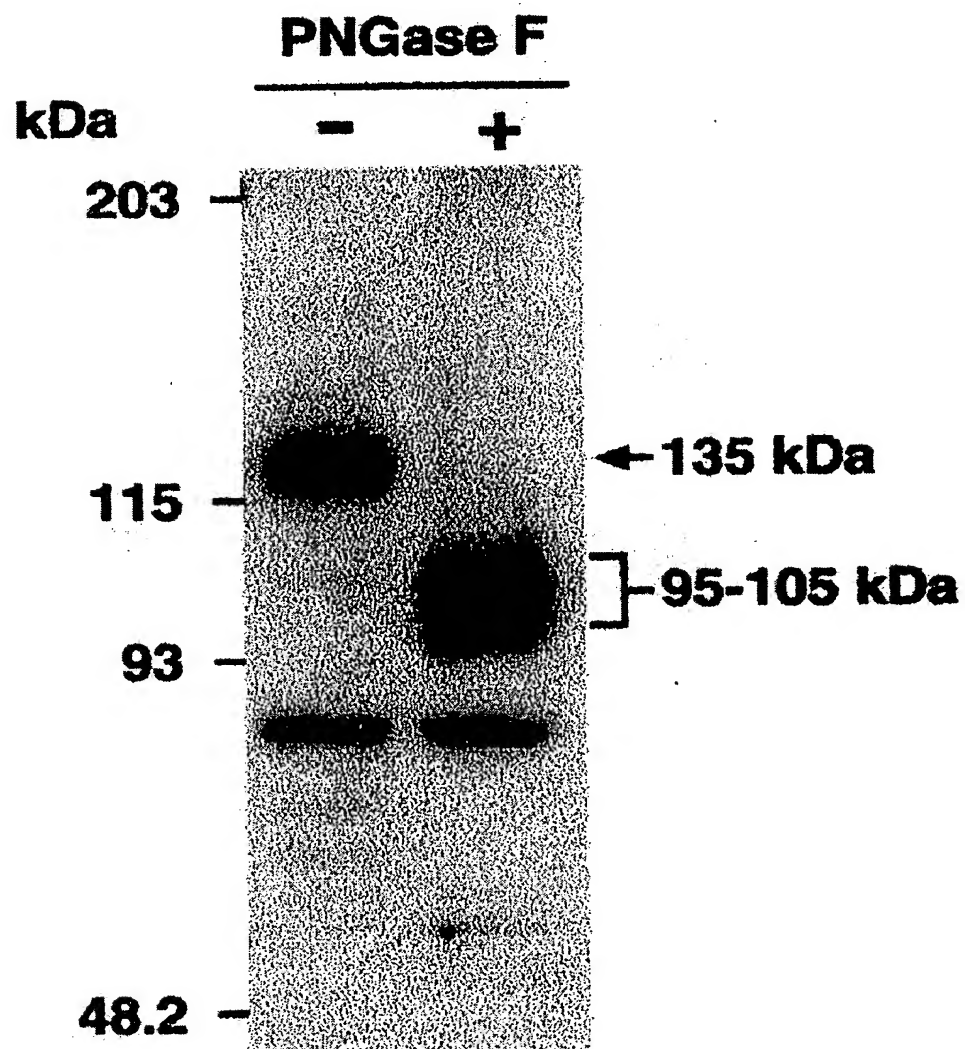


FIG. 5A

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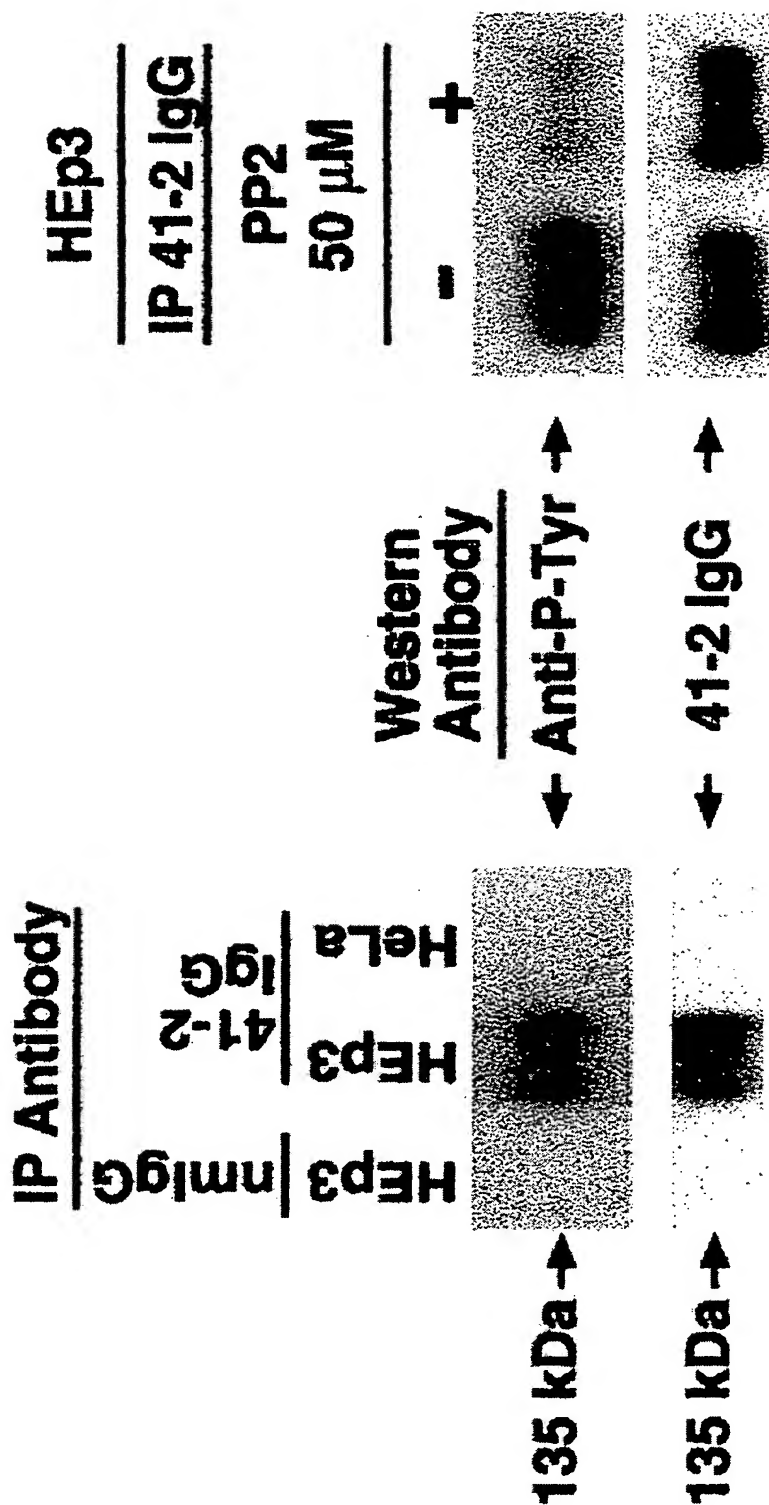


FIG. 5B

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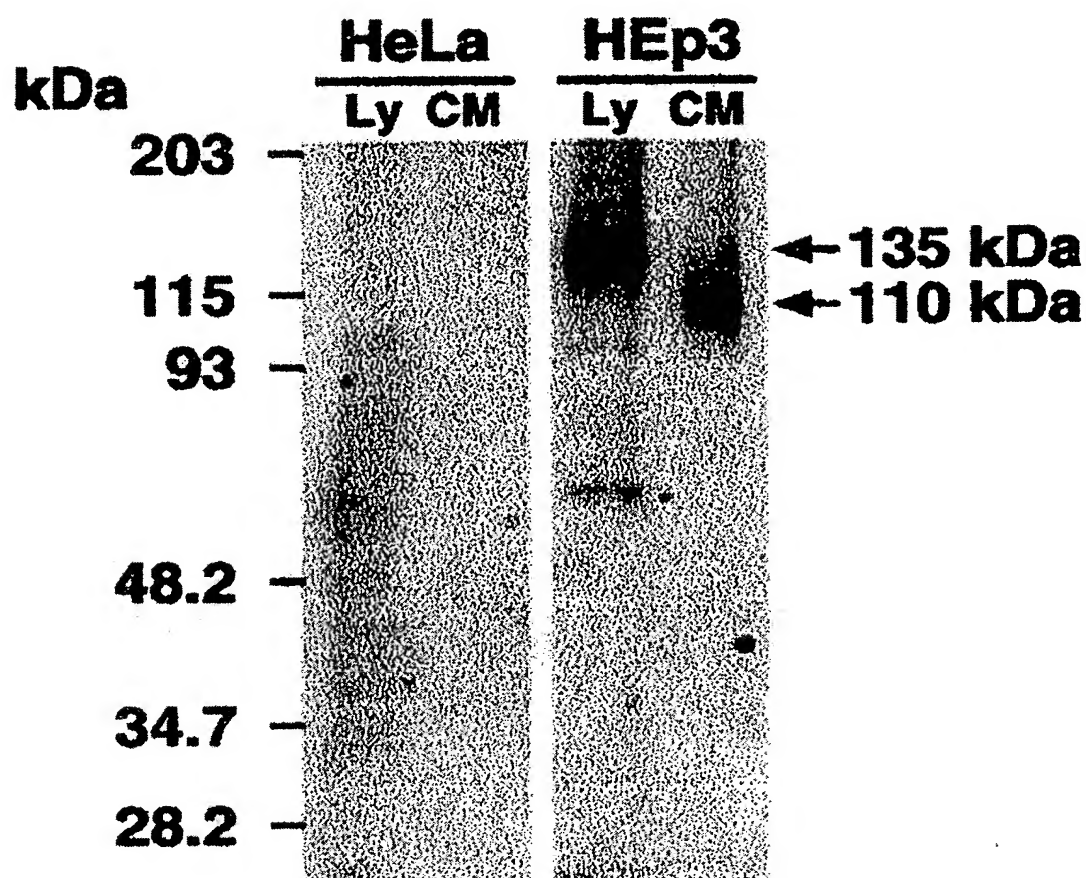


FIG. 5C

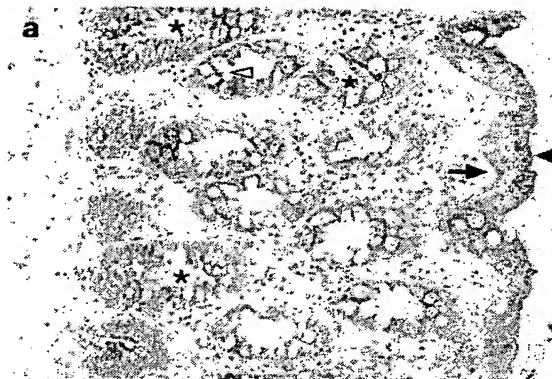


FIG. 6A

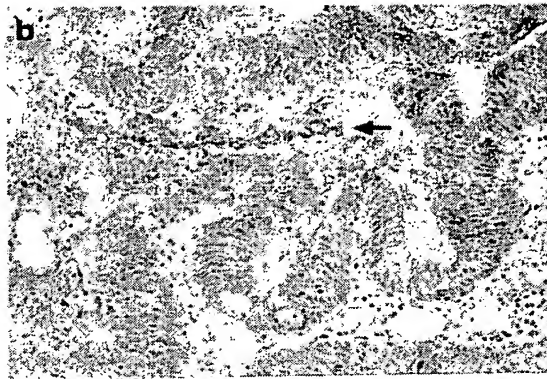


FIG. 6B



FIG. 6C

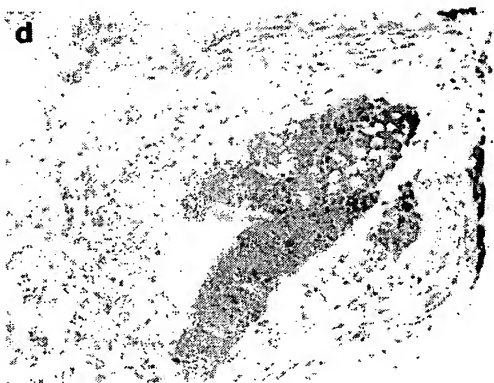
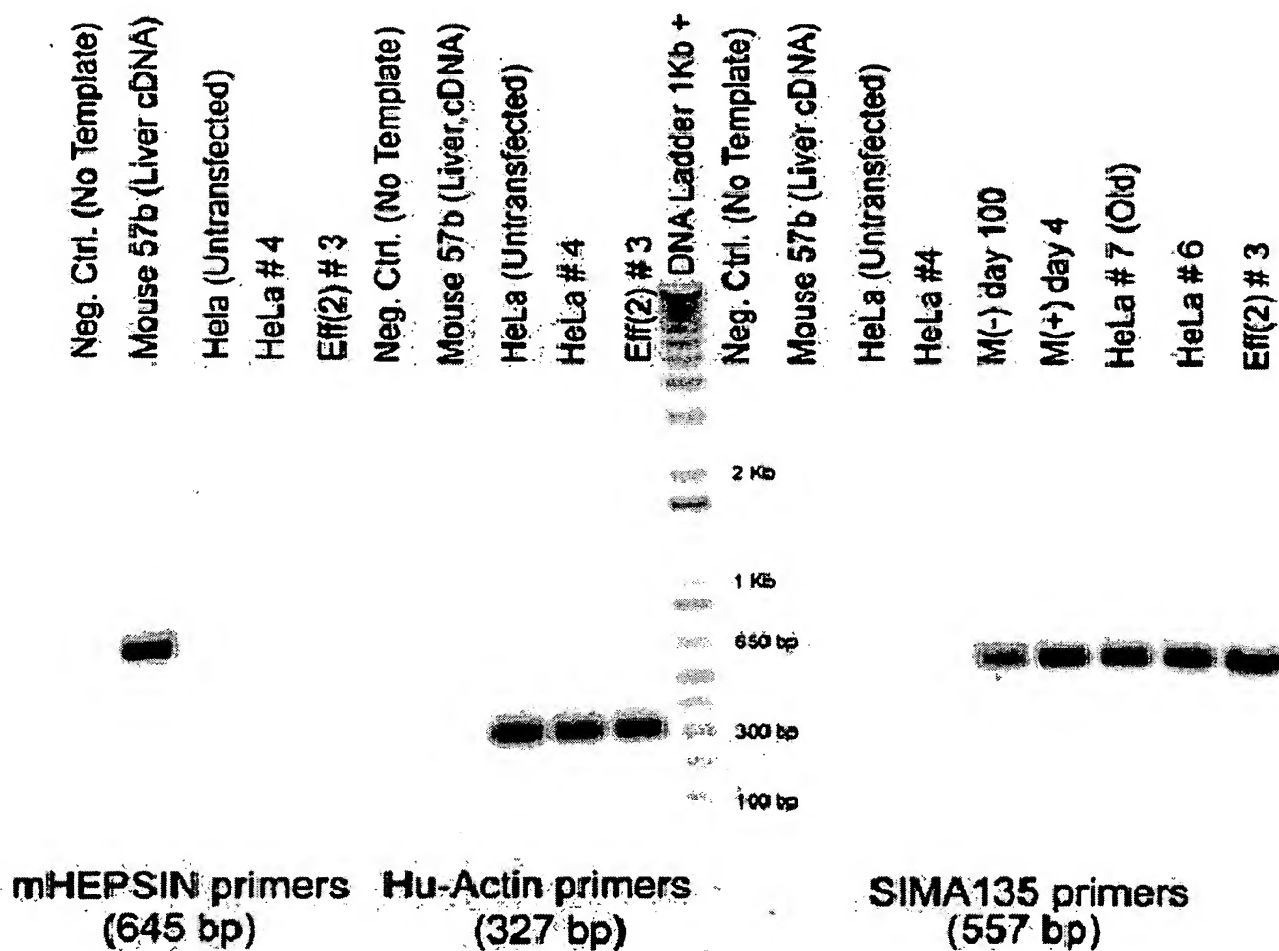


FIG. 6D

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35 cycle amplification

FIG. 7

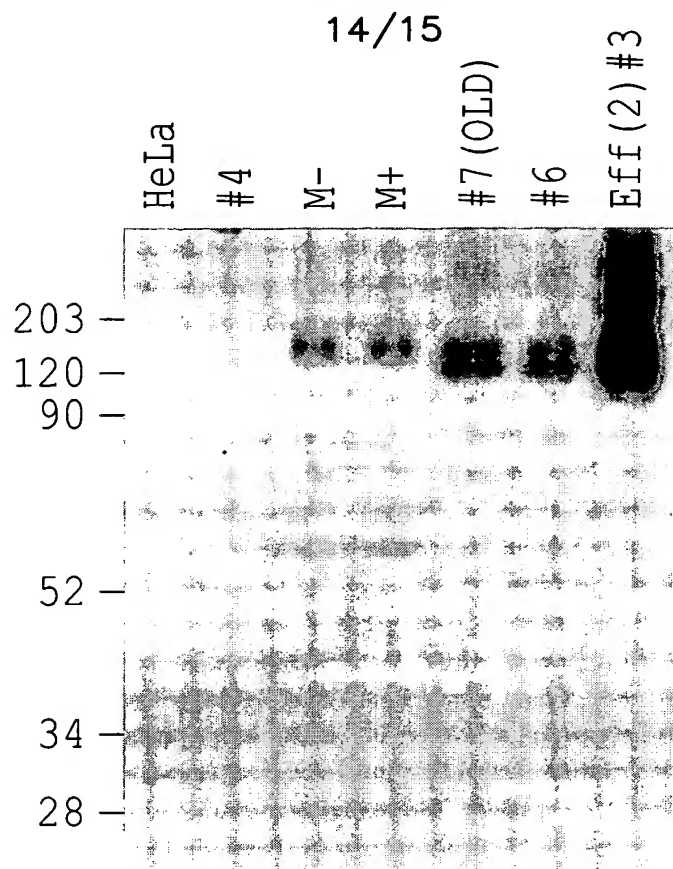


FIG. 8A

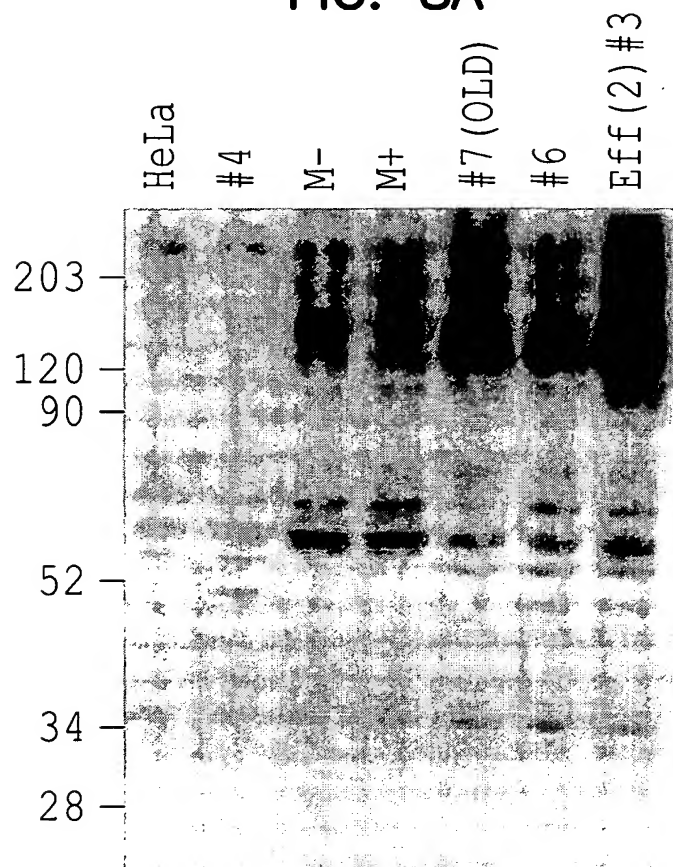


FIG. 8B

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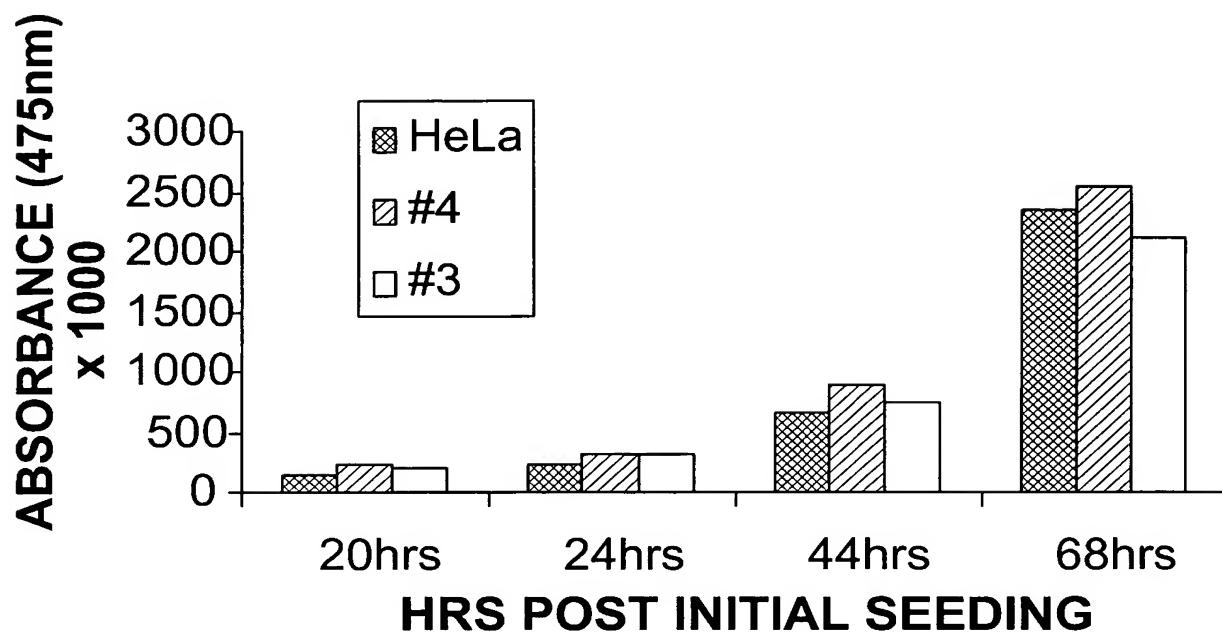


FIG. 9

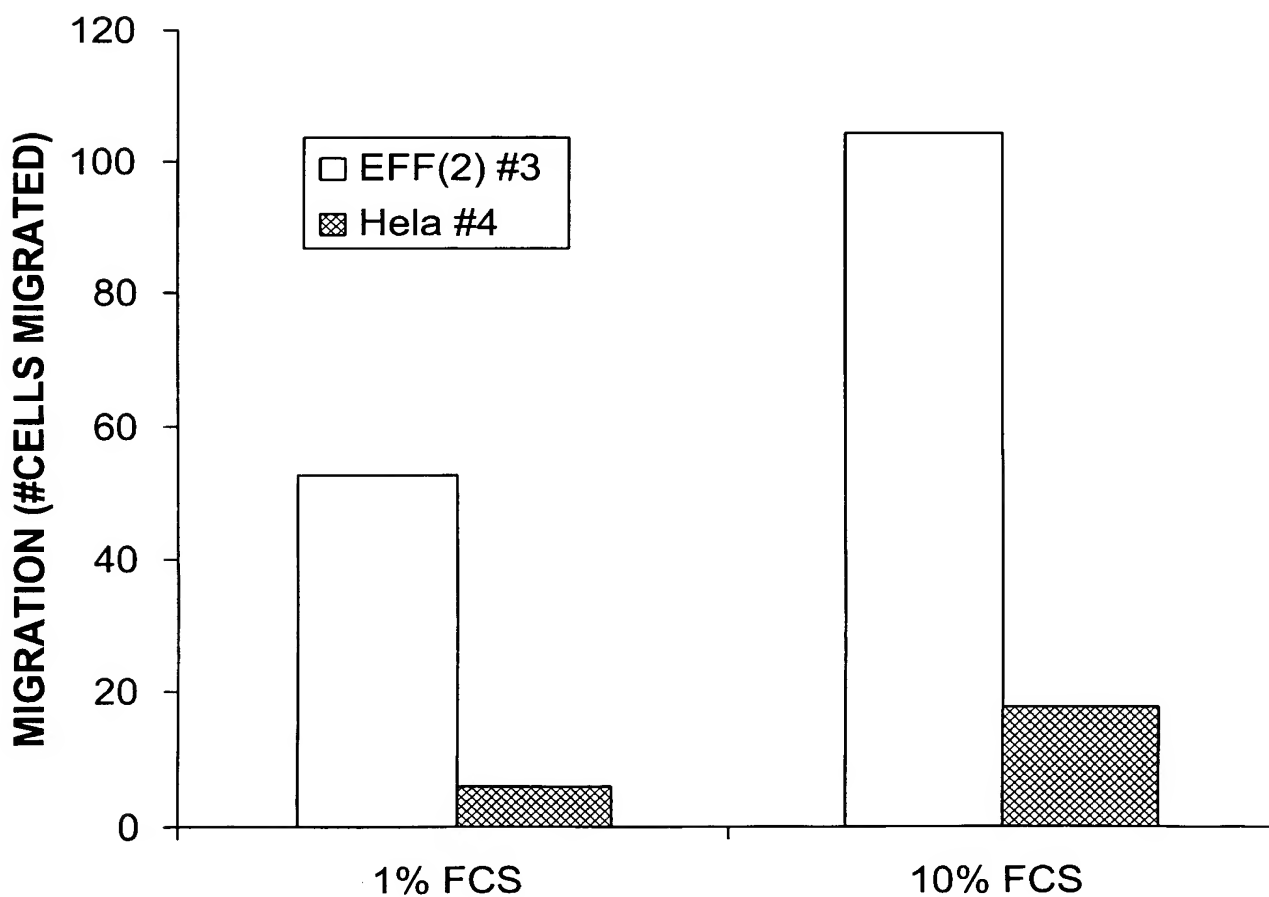


FIG. 10